Planning for Hazard Mitigation

DATA RESOURCES BEFORE YOU NEED THEM
Hazard Mitigation Plan

Required for certain FEMA grants:
- Public Assistance – debris removal, emergency protective measures
- Fire Mitigation Assistance
- Hazard Mitigation Grant Program – planning & projects
- Pre-Disaster Mitigation – projects
- Flood Mitigation Assistance – planning & projects
Risk Assessment

What has happened before, what is likely to happen again?

• “The risk assessment process focuses attention on areas most at risk by evaluating where populations, infrastructure, and critical facilities are vulnerable to hazards, and to what extent injuries or damage may occur.”

The summary, analysis and conclusions drawn from assessing risks is more important than presenting the raw data – but you need raw data to come to those conclusions.
Data Needs

Political Boundaries
Roads
Infrastructure
Structures
Geology, Hydrography, Soils
Hazards – risk areas and historical impact
Assets & Critical Facilities
“State assets may include state-owned or operated buildings, infrastructure, and critical facilities. Critical facilities means structures that the state determines must continue to operate before, during, and after an emergency and/or hazard event and/or are vital to health and safety.”

- EOC
- Police stations
- Fire stations
- Distribution sites
- Storage facilities (including data storage)
- Hospitals
- Institutions
- Shelters
- Schools
- Power plants
- Water treatment plants
- Public Works facilities
- Airports
- Roads
- Railroads
- Bridges
- Tunnels
- Ports
- …and more

Local & Multi-jurisdiction plans may have a different list.
Sources of Data

Department Staff – Your primary resource, however there are always constraints on time, resources to collect & convert data for GIS, communication gaps

Try Online
- Find contacts & data
- Download data
- Compare & supplement local knowledge
- Correct errors

- UConn CLEAR
- CT DEEP
- CT Open Data
- CT GeoHub – NEW!
- FEMA Map Service Center
- HIFLD – Open and Secure
Open and Secure Data

**View Data Catalog**

Secure Data contains over 100 different datasets that cover many critical facilities that would be difficult to aggregate.

Open Data puts many layers at your fingertips.
Accessing Data – HIFLD Open

200+ Datasets

Explore Categories

- Agriculture
- Borders
- Boundaries
- Chemicals
- Commercial
- Communications
- Education
- Emergency Services
- Energy
- Finance
- Food Industry
- Geocoding
- Government
- Law Enforcement
- Mail Shipping
- Mining
- National Flood Hazard
- Natural Hazards
- Public Health
- Public Venues
Accessing Data – HIFLD Secure

Not Open Data
- Apply for clearance
- Not a quick process
- Website has information on applying for clearance & a downloadable data guide
- Contact: hifld@hq.dhs.gov

The HIFLD Subcommittee Website is temporarily offline. We are working to upgrade the site. To request access to HIFLD Licensed Data, to be added to the HIFLD Distro List or for all other HIFLD-related inquiries, please contact: HIFLD@hq.dhs.gov
Thank you

MEGHAN MCGAFFIN
GIS COORDINATOR
MILONE & MACBROOM, INC
99 REALTY DR
CHESHIRE, CT 06410
WWW.MMINC.COM
Links used:
State Mitigation Plan Review Guide: https://www.fema.gov/media-library/assets/documents/10165
UConn CLEAR: https://clear.uconn.edu/
CT DEEP: https://clear.uconn.edu/
CT Open Data: https://clear.uconn.edu/
CT GeoHub: https://data-ctmaps.opendata.arcgis.com/ — NEW!
FEMA Map Service Center: https://msc.fema.gov/portal/search
HIFLD: https://hifld-geoplatform.opendata.arcgis.com/
HIFLD Data Catalog: https://tinyurl.com/y8h2uyvq